

## Product datasheet for **UM800086**

### CD56 (NCAM1) Mouse Monoclonal Antibody [Clone ID: UMAB194]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB194
Applications:	10k-ChIP, IHC, WB
Recommended Dilution:	IHC 1:100~400
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 20-718 of human NCAM1 (NP_851996) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	94.4 kDa
Gene Name:	neural cell adhesion molecule 1
Database Link:	<a href="#">NP_851996</a> <a href="#">Entrez Gene 17967 Mouse</a> <a href="#">Entrez Gene 24586 Rat</a> <a href="#">Entrez Gene 4684 Human</a> <a href="#">P13591</a>
Background:	This gene encodes a cell adhesion protein which is a member of the immunoglobulin superfamily. The encoded protein is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. The encoded protein has been shown to be involved in development of the nervous system, and for cells involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011]



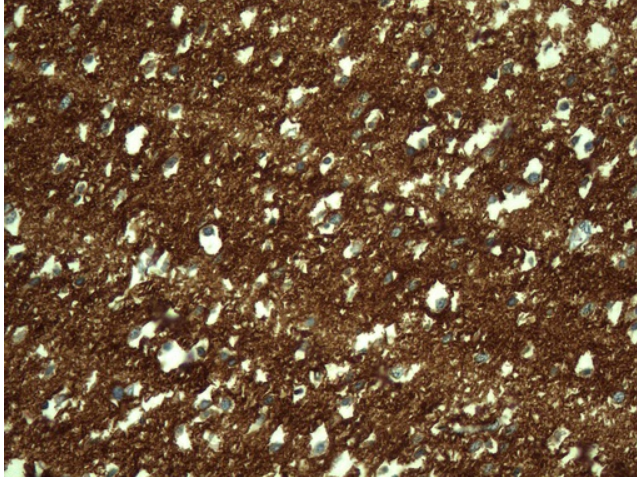
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**Synonyms:** CD56; MSK39; NCAM

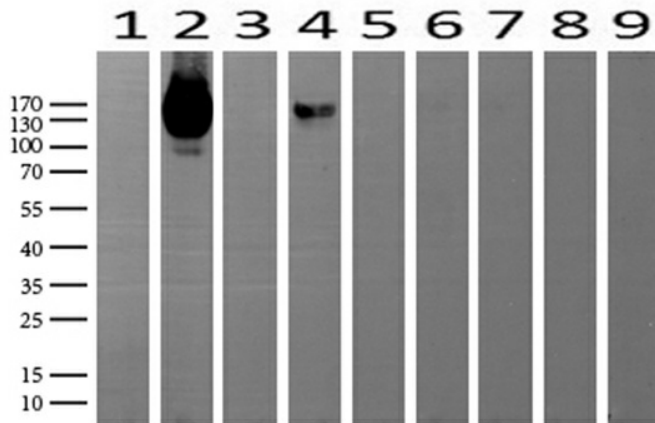
**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:** Cell adhesion molecules (CAMs), Prion diseases

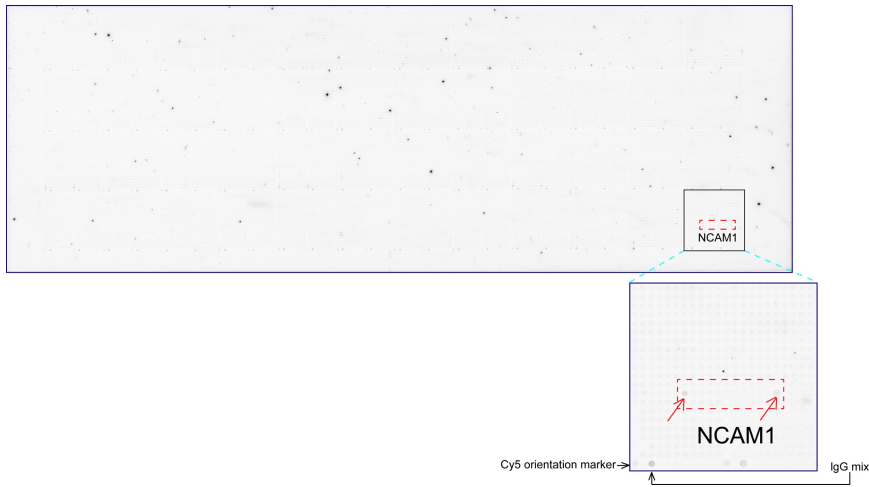
**Product images:**



Immunohistochemical staining of paraffin-embedded Human embryonic brain cortex tissue using anti-NCAM1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 110°C for 10min, UM800086) (1:400)



Western blot analysis of extracts (15ug) from 9 Human tissue by using anti-NCAM1 monoclonal antibody (1: Testis; 2: Uterus; 3: Breast; 4: Brain; 5: Liver; 6: Ovary; 7: Thyroid gland; 8: colon;;9:Spleen). (1:500) Dilution: 1:500



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-NCAM1 mouse monoclonal antibody (UM800086). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification (1:100).